

Practice

For use with pages 96–101

Solve the equation. Check your solution.

1. $-6y = -84$

2. $-8t = -152$

3. $418 = 19a$

4. $-136 = -17k$

5. $126 = -21p$

6. $15c = 600$

7. $\frac{d}{9} = 11$

8. $\frac{f}{8} = 20$

9. $22 = \frac{g}{-32}$

10. $-21 = \frac{r}{14}$

11. $-15 = \frac{w}{-12}$

12. $\frac{z}{-18} = 18$

13. $9m - 6m = 21$

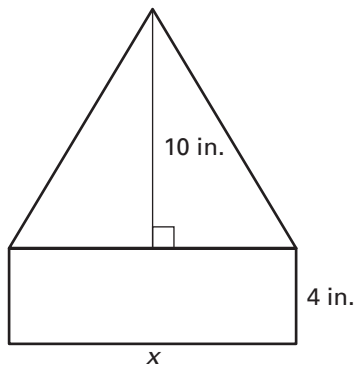
14. $144 = -8(2x)$

15. $\frac{b}{17 + 4} = -4$

Practice

For use with pages 96–101

- 16.** Sixty-four people show up for a volleyball tournament. Write and solve an equation to find how many 4-person teams can be formed.
- 17.** A high-speed rail service connects London, England, Paris, France, and Brussels, Belgium. One of the high-speed trains travels about 233 miles from London to Brussels at a speed of about 87 miles per hour. How long does the trip take?
- 18.** A salesperson starts with a full tank of gas, drives her car 363 miles and then refuels. It takes 11 gallons of gas to fill the car's tank. How many miles per gallon did the car get?
- 19.** The figure shown below is composed of a triangle and a rectangle.



- a.** Write and simplify an expression in terms of x for the area of the figure.
- b.** What is the value of x if the area of the figure is 108 square inches?